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Approved for use through 07/31/2006. OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE nder the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. 10/813,872 Application Number Filing Date March 30, 2004 **TRANSMITTAL FORM** First Named Inventor Dominique Charmot (to be used for all correspondence after initial filing) Art Unit 1618 **Examiner Name** Michael G. Hartley Total Number of Pages in This Submission 29329-715.202 Attorney Docket Number ENCLOSURES (Check all that apply) After Allowance communication to Fee Transmittal Form Drawing(s) Technology Center (TC) Appeal Communication to Board Fee Attached Licensing-related Papers of Appeals and Interferences Appeal Communication to TC Amendment/Reply Petition (Appeal Notice, Brief, Reply Brief) Petition to Convert to a After Final Proprietary Information Provisional Application Power of Attorney, Revocation Status Letter Affidavits/declaration(s) Change of Correspondence Address Other Enclosure(s) Extension of Time Request Terminal Disclaimer (please identify below): PTO/SB/08 **Express Abandonment Request** Request for Refund Return Post Card Information Disclosure Statement CD, Number of CD(s) 32 References International Search Report Landscape Table on CD Certified Copy of Priority Remarks Document(s) Response to Missing Parts/ Incomplete Application Response to Missing Parts under 37 CFR 1.52 or 1.53 SIGNATURE OF APPLICANT, ATTORNEY OR AGENT WILSON SONSINI GOODRICH & ROSATI Firm Name Signature Printed Name Anie K. Roche 21/2005 10 Date 50,512 CERTIFICATE OF TRANSMISSION/MAILING I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as express mail (EV 711413316 US) in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below. Signature

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Alexandria, VA 22313-1450.



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor: Dominique Charmot, et al.

Serial Number: 10/813,872

Filing Date: March 30, 2004

Title: ION BINDING COMPOSITIONS

Group Art Unit: 1618

Examiner: Michael G. Hartley

CONFIRMATION NO: 5573

EXPRESS MAIL LABEL NO.: EV 711413316 US

Commissioner of Patents P.O. Box 1450 Alexandria, VA 22313-1450

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §1.97

Sir:

Applicant(s) hereby submit(s) an Information Disclosure Statement along with attached form(s) PTO/SB/08A. A copy of each listed publication is being submitted, if required, pursuant to 37 C.F.R. §§1.97-1.98, as indicated below.

Applicant(s) respectfully request(s) that the listed information be considered by the Examiner and be made of record in the above-identified application. Applicant(s) further request that the Examiner initial and return the attached form(s) PTO/SB/08 in accordance with MPEP §609.

Applicant(s) reserve(s) the right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may not be prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered.

This statement is not intended to represent that a search has been made or that the information cited in the statement is, or is considered to be, prior art or material to patentability as defined in §1.56.

10/26/2005 HLE333 00000012 232415 10813872

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		(1)	It is being filed within 3 months of the application filing date of a national application and is other than a continued prosecution application under §1.53(d); OR
		(2)	It is being filed within 3 months of entry of a national stage as set forth in §1.491 in an international application; OR
		(3)	It is being filed before the mailing date of the first Office Action on the merits; OR
		(4)	It is being filed before the mailing of a first Office Action after the filing of a request for continued examination under §1.114.
	specifi office closes	ed in 37 action un prosecuti	CFR §1.97(b), above, it is filed before the mailing date of the earlier of (1) a final order §1.113, (2) a notice of allowance under §1.311, or (3) an action that otherwise ion on the merits, this Information Disclosure Statement should be considered because ed by one of:
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	Α.	a certifi	cation as specified in §1.97(e); and
	В.		f \$180.00 as set forth in §1.17(p) is authorized below, enclosed, or included with the at of other papers filed together with this Statement.
			e). A certification signed by an Attorney of Record is provided herewith as required §1.97(b) and (c).
\boxtimes	37 CF	R §1.98(a	1)(2). The content of the Information Disclosure Statement is as follows:
		Copies herewit	of each of the references listed on the attached Form PTO/SB/08A are enclosed h. OR
			of U.S. Patent Documents (issued patents and patent publications) listed on the d Form PTO/SB/08A are NOT enclosed.
	\boxtimes		AND/OR of Foreign Patent Documents and/or Non Patent Literature Documents listed on the d Form PTO/SB/08A are enclosed in accordance with 37 CFR §1.98(a)(2).
		-	AND/OR of pending unpublished U.S. patent applications are enclosed in accordance with §1.98(a)(2)(iii).

\boxtimes	37 CF referen	$R \ \S 1.98(a)(3)$. The Information Disclosure Statement includes non-English patents and/o ces.				
		Pursuant to 37 CFR §1.98(a)(3)(i), a concise explanation of the relevance of each patent publication or other information provided that is not in English is provided herewith.				
		Pursuant to 37 CFR §1.98(a)(3)(ii), a copy of a translation, of a portion (i.e. English language abstract), of the non-English language reference(s) is provided herewith				
		Attached are copies of search report(s) from corresponding patent application(s), submitted in accordance with MPEP 609 D in support of the attached certification under 37 CFR §1.97(e)(1).				
	\$180.0	Fee Authorization. The Commissioner is hereby authorized to charge the above-referenced fees of \$180.00 and charge any additional fees or credit any overpayment associated with this communication to Deposit Account No. 23-2415 (Docket No. 29329-715.202).				
		Respectfully submitted,				
Dated:	01	wilson sonsini goodrich & rosati be. 21, 2005 By:				
		Anie K. Roche, Reg. No. 50,512				
Palo A	ge Mill I Ito, CA 9 93-9300	94304-1050				

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CERTIFICATION

(Attachment to Information Disclosure Statement)

	37 C.F.R.§1.97(e)(1). APPLICANT'S UNDERSIGNED ATTORNEY HEREBY CERTIFIES THAT each item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement; or
	37 C.F.R.§1.97(e)(2). APPLICANT'S UNDERSIGNED ATTORNEY HEREBY CERTIFIES THAT no item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing this certification after making reasonable inquiry, no item was known to any individual designated in §1.56(c) more than three months prior to the filing of the information disclosure statement.
	Respectfully submitted,
Dated:	By: Ame K. Roche Reg. No. 50,512

650 Page Mill Road Palo Alto, CA 94304-1050 (650) 565-3856 Customer No. 021971 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the paperwork Reduction Act of 1995, no persons required to respond to a collection of information unless it contains a valid OMB control number.

Complete if Known Substitute for form 1449/PTO 10/813,872 Application Number March 30, 2004 Filing Date 1005 INFORMATION DISCLOSURE First Named Inventor Dominique Charmot ATEMENT BY APPLICANT (Use as many sheets as necessary) Art Unit 1618 Examiner Name Michael G. Hartley Sheet of 3 Attorney Docket Number 29329-715.202

-	U.S. PATENT DOCUMENTS								
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear				
	1.	US-2,611,730	09-23-1952	Heming et al.					
	2.	US-2,909,462	10-20-1959	Warfield et al.					
	3.	US-4,143,130	03-06-1979	lmondi					
	4.	US-4,470,975	09-11-1984	Berger					
	5.	US-5,051,253	09-24-1991	Llyod-Jones					
	6.	US-5,141,927	08-25-1992	Krotkiewski					
	7.	US-5,281,631	01-25-1994	Horwitz					
	8.	US-5,374,422	12-20-1994	Рієте					
	9.	US-5,607,669	03-04-1997	Mandeville					
	10.	US-5,633,344	05-27-1997	Figuly					
	11.	US-5,718,920	02-17-1998	Notenbomer					
	12.	US-6,294,163	09-25-2001	Dhal					
	13.	US-2002/0146386 A1	10-10-2002	Simon et al.					
	14.	US-2003/0027789 A1	02-06-2003	Yamaoka et al.					

15. 16.	EP 0730494 B1 WO 01/51063 A1 (with English	02-04-1998	Salternate B.V.		
16.	` `	1		l l	
	abstract)	07-19-2001	Otsuka Pharmaceutical Factory, Inc.		
17.	WO 02/062356 A2	08-15-2002	Ash Medical Systems, Inc.		
18.	WO 02/40039 A2	05-23-2002	The Dow Chemical Company		
19.	WO 92/10522	06-25-1992	Imperial Chemical Industries PLC		
20.	WO 94/27619	12-08-1994	Geltex, Inc.		
21.	WO 95/14531	06-01-1995	Sansel		
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	18. 19. 20.	18. WO 02/40039 A2 19. WO 92/10522 20. WO 94/27619	18. WO 02/40039 A2 05-23-2002 19. WO 92/10522 06-25-1992 20. WO 94/27619 12-08-1994	18. WO 02/40039 A2 05-23-2002 Company Imperial Chemical Industries PLC 20. WO 94/27619 12-08-1994 Geltex, Inc.	18. WO 02/40039 A2 05-23-2002 Company 19. WO 92/10522 06-25-1992 Imperial Chemical Industries PLC 20. WO 94/27619 12-08-1994 Geltex, Inc.

	 		
Examiner	Date		
Signature	Considered	İ	

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				Complete if Known		
Substitute for	or form 144	9/PTC	•	Application Number	10/813,872	
INFORM	IATION	DISC	CLOSURE	Filing Date	March 30, 2004	
STATEMENT BY APPLICANT (Use as many sheets as necessary)				First Named Inventor	Dominique Charmot	
			cessary)	Art Unit	1618	
				Examiner Name	Michael G. Hartley	
Sheet	2		3	Attorney Docket Number	29329-715.202	

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
	22.	Berlyne, G.M., et al. "Cation exchange resins in hyperkalaemic renal failure." (1967) Israel J Med Sci 3(1): 45-52	
	23.	Chourasia, M.K., et al., "Pharmaceutical approaches to colon targeted drug delivery systems." (2003) J. Pharm Pharm Sci 6(1): 33-66.	
	24.	Corcoran, A.C., et al., "Controlled observations on the effect of low sodium dietotherapy in essential hypertension." (1951) Circulation 3(1): 1-16.	
	25.	Danowski, T.S., et al., "Changes in fecal and serum constituents during ingestion of cation and anion exchangers." (1953) Ann N Y Acad Sci. 57(3): 273-9	
	26.	Emerson, K., Jr., et al., "The role of the gastro-intestinal tract in the adaptation of the body to the prevention of sodium depletion by cation exchange resins." (1953) Ann N Y Acad Sci. 57(3): 280-90	
	27.	Emmett, M., et al. "Effect of Three Laxatives and a Cation Exchange Resin on Fecal Sodium and Potassium Excretion." (1995) Gastroenterology 108(3): 752-60	
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	29.	Field, H., Jr., et al., "Electrolyte changes in ileal contents and in feces during restriction of dietary sodium with and without the administration of cation-exchange resin." (1955) Circulation 12(4): 625-9	
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	31.	Fourman, P. "Capacity of a cationic exchange resin (zeo-karb 225) in vivo." (1953) British Medical Journal 1(4809): 544-6	
	32.	Greenman, L., et al. "Biochemical changes accompanying the ingestion of a carboxylic cation exchanger in the hydrogen, ammonium, sodium, potassium, or calcium form." (1951) J Clin Invest. 30(9): 995-1008	
	33.	Gruy-Kapral, C., et al., "Effect of single dose resin-cathartic therapy on serum potassium concentration in patients with end-stage renal disease." (1998) J Am Soc Nephrol 9(10): 1924-30	
	34.	Harthon, J.G.L., et al., "A CASE OF UREMIA AND HYPERPOTASSEMIA TREATED WITH SULPHONIC CATION-EXCHANGE RESIN" (1952) Acta Med Scan., 144(3): 230-6	

Examiner	Date
signature	Considered

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of

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Substitute fo	or form 14	49/PTO		Application Number	10/813,872	
INFORM	IATION	DISC	LOSURE	Filing Date	March 30, 2004	
STATEMENT BY APPLICANT (Use as many sheets as necessary)				First Named Inventor	Dominique Charmot	
				Art Unit	1618	
				Examiner Name	Michael G. Hartley	
Sheet	3	of	3	Attorney Docket Number	29329-715.202	

		NON PATENT LITERATURE DOCUMENTS Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the	
Examiner Initials*	Cite No. 1	item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	35.	Herning A. E., et al., "Considerations in the selection of cation exchange resins for therapeutic use." (1953) Ann N Y Acad Sci. 57(3):239-51	
	36.	Irwin, L., et al. "The effect of a cation exchange resin on electrolyte balance and its use in edematous states." (1949) J Clin Invest. 28(6, Pt. 2): 1403-11	
	37.	Kohlstaedt, K.G., et al., "Clinical experience with mixtures of anion and cation exchange resins." (1953) Ann N Y Acad Sci. 57(3): 260-72	:
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	39.	Mateer, F.M., et al., "SODIUM RESTRICTION AND CATION EXCHANGE RESIN THERAPY IN NEPHROTIC CHILDREN" (1951) J Clin Invest. 30(9): 1018-26	
	40.	McChesney, E.W. "Effects of long-term feeding of sulfonic ion exchange resin on the growth and mineral metabolism of rats." (1954) Am J Physiol. 177(3):395-400	
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	42.	Moustafine R.I., et al., "Characteristics of interpolyelectrolyte complexes of Eudragit E 100 with sodium alginate." (2005) Int J Pharm 294(1-2): 113-20	
	43.	Root, M.A., "Comparison of the in vivo sodium-removing activity of various types of ion exchange resins in rats." (1953) J Lab Clin Med 42 (3): 430-7	
	44.	Ross, E.J., et al. "Observations on cation exchange resins in the small and large intestines." (1954) Clin Sci 13(4): 555-66	
	45.	Tust, R. H., et al., "THE EFFECTS OF MALETHAMER ON THE EXCRETION AND PLASMA LEVELS OF SODIUM, POTASSIUM, AND CHLORIDE (34990)" (1970) Proc Soc Exp Biol Med. 135(1): 72-6	
	46.	Wrong, O., et al., "The electrolyte content faeces." (1965) Proc R. Soc Med 58(12): 1007-9	

Examiner	Date	
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